

Applicants: Ilya Trakht et al.
Serial No.: 09/664,958
Filed: September 18, 2000
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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the specification:

Listing of Claims:

Claims 1-6. (canceled)

Claim ¹~~7~~. (original): The monoclonal antibody 27.B1 produced by hybridoma 27.B1 (ATCC Designation No. PTA-1599).

Claim 8. (cancelled)

Claim ²~~9~~. (previously presented): The hybridoma cell designated 27.B1 (ATCC Accession No. PTA-1599).

Claims 10-16. (canceled)

Claim ³~~17~~. (original): The monoclonal antibody 27.F7 produced by hybridoma 27.F7 (ATCC Designation No. 1598).

Claim ⁴~~18~~. (previously presented): The hybridoma cell designated 27.F7 (ATCC Accession No. PTA-1598).

Claims 19-174. (canceled)

Claims 175-180. (canceled)

Claim ⁵~~181~~. (currently amended): A kit for detecting the presence of TIP-2-bearing cancer cells in a sample comprising:

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a) a solid support having a plurality of immobilized probes which may be the same or different, wherein each probe comprises a monoclonal antibody or Fab fragment thereof which specifically binds and forms a complex with TIP-2 located on the surface of human cancer cells; and

b) a means for determining the presence of the probe/TIP-2 complex ~~The kit of claim 176,~~ wherein the probe is human monoclonal antibody 27.B1 produced by hybridoma 27.B1 (ATCC Designation No. PTA-1599) or human monoclonal antibody 27.F7 produced by hybridoma 27.F7 (ATCC Designation No. PTA-1598).

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Claim 182.

(currently amended): The kit of claim ~~176~~ 181, wherein the means for determining the presence of the probe/TIP-2 complex comprises a detectably labeled antibody.

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Claim 183.

(currently amended): The kit of claim ~~176~~ 181, wherein the means for determining the presence of the probe/TIP-2 complex comprises a detectably labeled antibody which specifically binds to a ~~monoclonal antibody directed to TIP-2~~ human monoclonal antibody 27.B1 produced by hybridoma 27.B1 (ATCC Designation No. PTA-1599) or human monoclonal antibody 27.F7 produced by hybridoma 27.F7 (ATCC Designation No. PTA-1598).

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Claim 184.

(previously presented): The kit of claim ~~182~~ 183, wherein the detectable label is a radioactive isotope, enzyme, dye, biotin, fluorescent label or chemiluminescent label.